An Epay The sympathy of the Brain with the Momach Submitted to the examination of The Medical Faculty of the University of Bennylvania The degree of Soctor of Medicine John I bolls of Virginias

In The cor regardless of other m dear, show blenithou Transat to idea, That upion i date in as which ms altogether of the suly method in my not of unsatisfa ntetrage mportan Philadelp

## Introduction

In the composition of the following pages Thave regardless of the opinions and theoretical notions of other men, delivered my own sentiments in as clear, short and concise a manner as was practice ble without injurtice being done to the suly est. I cannot for a moment platter myself with the idea, That I shall be able in The following dis ension to advance any thing new, or to shee date in any satisfactorily manner, those parts which may be involved in darkness, doubt or uncertainty, But Sam at the same time, not altogether nethout a hope from the importance of the subject, and from the somewhat movel, method in which it is discussed, that there pages may not prove altogether uninteresting, and unsatisfactory. If I be tedious in my argumenty or betrayed into repetition, I pled that the great importance of the question, has led me to trespay. Philadelphia, Nov. 1411, 1894

Sympathy indarkness ar Drympathy is generally of ind apociates by diversifie sin functio Stis by mea witend Their of the system medicine, o is This on who eitien berte Thise in a m - dily account nication of ous mayo. B.

## Sympathy of the Brain with the Stomach

There are but few subjects parhaps, more deserving of enquiry, or one the land of which we more involved indarkness and obscurity, than those of sympathy. Szympothy is that principle of nature, the result generally of nervous communication, which connects and afasisates all parts of the animal frame infinite - by diversified as it is in structure, and still more so in function, into one grand harmonising wholes It is by means of sympathy, that all of our diseases extend their wide pervaling action to every part of the system, and by means of this that all of our medicines exert their influence. In short, it is this, on which we are dependant for life and action bertain parts of the animal system sympa - Thise in a manney which cannot always be rea -dily accounted for, on the principle of comme - nication of nerves. This spanifests itself in vari-- our ways. But what kind of sympathy is meant

in There of - ging olse The whier nerves. 2. stomach v Than any most emp more place disordered It was the in the ope - seve done almost in ore subject thy which it was the induced m

in these pages, is rendered too obvious from the fore -going observations, to need an explanation - it is that which is formed by the communication of news. The sympathy between the brain and stomach Jeonsider as qualty more important than any other, because of its forming a chain of communication between those two decidedly most important organs, in the animal frame. moreover there is none, The effects of which are more plainly visible, nor the result when desordered, more dangerous and alarming. It was the vast superiority of these two organs, in the operations of the animal frame, the exiten - sive dominion which they escercise over the her -man body the great variety of distressing and almost irremediable complainty to which they are subject, The immediate and direct sympa thy which uneversally subsists between them, it was there and much like considerations in hiel induced me to select this, as the subject of the

Ishall ols tance as The Brain a immediate. Thirdly and That There by conside meing to a tematicaj. no lecames Treat of the Troorgans Fire of the indeed is it lengthene 9. following dispertation. In these observatations

I shall observe the following order.

Forest I will endeavour to Alexi The great impertances and influence of Messelmo organs to vive, the train and attendably in the executions of the anwrite stemony.

Secondly. I will prove the quant, the direct and immediate sympathy, which universally, subsists

between them.

Thirdly and lastly. I will and source to showy that there are some discours of the bearing common by considered an acknowledged as the pathery which onceing to this communication are morely sympotematics of a discould so stomach.

He leaves my desty then in the first place to treat of the importance and influence of these two organs.

Farring the Main. I do not deem it meespoon, now indeed is it required, that I should go into any lengthmed details, to show the importance and

may. 2 holds, the it for t neceprate Thomate only see Mysiolay and descr of an org by The co to other various it whis be beplace For There machine. fulits. to its las it for is

influence of the brain in the animal econ onay. The superior station which this viscus holds, The absolute dependance of all parts upon it for life and action, and the indispensable necepitar for ity in the in the operations of The natural functions of the body; are not only seen and known to the anotomist and Ohysiologist, but also to the least observing and descriminating mind. If the importance of an organ, is to be estimated by its position, by the close and intimate relation, it lears to other important organs, by the many and various impressions of which it is susceptible if this be admitted, then weed may the brain be placed in the highest station of importance For there is no organ, or part of an animated machine honever vernote, which does not feel its influence, which is not subject to its laws, and which is not dependant upon it for their action. Even nature herself

oh is alm of her plan este, yet imprenetra the many o otherwise. The brain, or origin of highest con and greatly brain, and Il The pa with the superionis word, The Mying The in the sun Sign, heat. Fam fully of fetures a

who is always most concise in the execution of her plans; has placed this extremely deli - eate, yet most complex viscus, in a wall of imprinttable lone, thereby defording it from the many distructive impressions, to which otherwise its situation necessarily emposed it. The brain, considered as the sensoriain commune or origin of the nervous system, deserves the highest consideration. All of the most importance and greatly distributed nerver, arere from The brain, and thereby inamideately connecting all the parts to which they are distributed with the brain; most of which exercise a superiority in the animal economy. In a word, the brain may be represented as occu - frying the same station, in The animal body as the sun in the planetary system, deffusing lipe, heat and action, on all surrounding objects Fam fully aware, that there reases on record, of fetues being born devoid, entirely devoid

of a brain These cas This para supposing cases, than tion of the can be n observing & an esete tratur Kefe of por minsta This supe clearer de rasedstas me Know, connection dereaser, a

of a brain, and that life has continued in These cares for several days. I cannot reconcile this paradose in any other manner, than by supposing, that if there have been any such cases, that life must have been exceedingly imperfect, or otherwise There must have been some other part that assumed the fune tion of the brain. The superiority of the brain can be more strikingly exemplified, by observing The effects of pressure, when carried to an extent sufficient to destroy or Levange its natural functions. That instantaneous lass of power, praducing universal palsy and instant death. Again did me wish to place This superiority of the brain in a still clearer light; we might refer to it in a dis eased state, and observe the consequences. we know that it is liable from its esctensive connections, to be affected by agreet variety of deseases, and when deseased, to be preductive of

mon The or The greater ne most most obsti patal dis. Merein one yman, the drop, sudane motion and see him le Mrough the look, destro Pertroying. - Tance of The stronger le der Ding Th

effects more dangerous than alarming; and we know the more a desease determined to the brain, The greater is the result always to be dredded. moreover we find that diseases of This viscus, are most difficult to manage, and to gield most obstinately to our remedies. In proof of this it is but necessary to reper to some of there patal diseases as apoplesy, Epilepsy mania 8:0 Were in one instance, we see that noble form of man, the greatest work of divine wirdown drop, sudonly to the ground, depuned of sende motion and even existence: In another ne see him levelled with the bruter, non Dering Through the forest, with a weld and haggard look, destroying all before him and some times Destroying himself. Again, this great impor - Tance of the brain, can be placed in a get stronger light; cut off the communication of any one part from the brain, either by durding The nerves or by compressing them,

nar thereb Mueltio stantanea with with own heap of nothing . 10 had to offer and milly Stomach, ~ importan becordly. O situation This organ requires speaks for more than pensabley. animal. and farm the same

so as thereby to prevent the progress of action and realtion, and what is the result; anin stantaneous loss of all motion and even death, without a brain, and what is man; a more heap of partifying fesh-gealess than nothing. with these remarks I close what I had to offer upon this part of the subjects and will proceed to the consideration of the stomach, which if not more so, is equally important in some respects, as the Main Secondly. Of the Stomach. So plainly does the situation and the extensive connections of This organ, mark its importance, that it requires but fine words to describe its it speaks for itself. The stomach certainly more than any other organized body is under -pensably necessary, for the operations of the animal exonomy, and exercises a greater and far more diversified influence, over The same; what can be greater than the

proups of bemore Hereme hower for the bo which be and entire yan and This proces oyan in maintaina burg, and man of Z Phave no Maternan fetues ber part exe mas an in low, dest The above I process of degestion; or worked what can begnose morderful and in comprehensible Here one see this noble organ, with the aid honever of others, convert into nowushness for the body, and finally into life, matter which before mas dead and ananimate, and entirely unqualified to become a part of an animated machine This poorests of itself renders this simple organ indispensably requisite, for the growth maintainance and support, of all animated being, and indeed it appears as if naturemas awar of this fact; for it has been said and I have no right to doubt the correctness of the statement, that there are instances of fetues being born devoid of every other part excepthis; but that there never mas an instance known of one being lors, destitute of this part. Since writing the above, I have been informed that there is

in The E such eas naruly. an excey again, to from the als from we olser which of of The bo meane nuepar of an al and as des otherwis organ at 10

related a case in which the oftenach was wanting in the liphing often any last damps ?? I lay to but seek case or the free free free as seeking to name as survey to be considered as in Atlanting an example to the general with.

agains, the stomach is not only rendered important from the natural offices which it purposes, but also from its situation on Irana habe against best on the about it is placed in a certical prosting which of its sympathies in variety and setunt, one more numerous than these of energy of the part of the body, I mail sing the stomach is disclosed in the slighty was a consequently, beld concluded, that it must never consequently, beld concluded, that it must never consequently, beld concluded, that it must never consequently be supposed to the attacks and energes, of an above configurate member of complaints; and ordered as a consequent member of complaints; and ordered as a consequent to the interest of the configurations of the configurations of the configurations of the form of the continuous of the configurations of the former and continuous of the

diseases are ngan is fre Indeed, Ther The human by its num implicated, ware they n consideration - wit upon. nouris homen · priste aday by procedu find That? and externo organ whier deseases not hing reated which is the

injury received; memay safely conclude, that diseases are more or less alarming in appearance, and more dredful in their consequences, as this organ is primarily, or secondarily appected. Indeed, there are none or but for disease. To which the human body is subjected, in which the stomack by its numerous connections is not more or less implicated, and in proportion as this is the case so are they more or legs to be dreaded. It was the consideration of all parts of the body, being depend - and upon the stomach for their support and nourishment, which gave rise to this most oppose - priste adager Vantriculo larguido, omnia larquento By prosecuting these enquiries farthermeshall find that the stomach, from its central position and extensive sympathies is, or seems to be, the organ which is primarily affected in some diseases which are not generally considered as being reated therey and when the moebid action which is there produced, is not at once arrested

it deffus. The Train generalge every pa see plair marich, n The ston The prace of Benry otherma They so a frame, a unlegs i Momach to every 1 regeride common aproper

it diffuses toelf by estending and multiplying The trains of afrociation, until The disease becomes general junvolving in agreater or less degree every part of the animal economy. This we see plainly escenplified in the case of fevers which, which are maintained and satisfactoriely shown to have their primary operation in The stomach, by the present professor of The practice of medicine, in the university of Penny brania. and indeed, can there be any other manner, of satisfactorily explaining how they so complittely involve the whole animal frame, and produces of feets so distreping: unless it be through the intervention of the stomach, which extends its sympathetic action to every part of the system. This fait is almost referredent, for home often do me find in the common Believes unstermitting fever of our country, that a proper remedy, exchibited at a proper time, acting exclusively reporthe

stomach v There rece viadicate. Enemair influence organ, ese -tant orga system: is produ fatal ca means ar lan This of Than by Th commen other par -ed that I of the sys so strong a -ions mat produce a

stomach will by removing the morlific matter There received, completely check, sulvert and eradicate the disease; which matter if primitted To remain but a few days, would through the influence and multiplied connections of this organ, extend the morbed action to other impor -tant organs and finally to every part of the system; whence a more complicated desease is produced which will often continue its fatal career in despite of our most shiffeel means and energetic endeavours. lan this fact be explained in any other manner then by the strong sympathy and directs communication, between the stomack and other parts of the system; I have before Iser - ed that the stomach is afrociated with all parts of the system, but nowhere is this sympathy so strong, as with the brain. Hnowing that now - ious matter when taken into the stomack, will

produce a morbid action, which action is after

braingson detect. 1 from The after no tance as readily 1 Momach untre of. to every 1 Stfollow fait, Ma of this vi or disease of time to farther, its suppo we to be communicated to that most important organithe brain prostering predicting the most fatal disease in a more important to be stated in our important to the state the season and if peoplets diseases to detail their cases of the offerwards of from the atomach tentimeness of the offerwards. Often after what has been been dead that of the important and flames of the thousand, mild be presented, seem and advances of the thousand, mild the standards, and advances the important in the amount of the organishment of the standards in the range of the spalen, communicating the action to every part of the same.

It follows then as a menopsing corollary of the fact, that upon a healthy ordered mad read the forther for health of this visual, otherwise mitinety the health or desease of the system. I deserve to be time to produce the subject of time to produce the subject of time to grant and any order and the subject of time to grant or the subject of the subj

Decond of this or great, t anatom certain Theprin Jam of far enous and by V. Thenen can be to another To bemo ntim as terreni

Secondly. I will now proceed to the second part of this defectation, and endeavour to prove the great, the direct and immediate sympathetic action, which universally exists between the brain and stanach. Inill prove this first, anatomically- although it is observed that certain parts of the system sympathise in a manney which cannot be accounted for on The principle of communication of nerves, yet I am of opinion could our researches becarried for everyth to ascertain the fact, that there is no association in the system which is not form ad by the intervention of nervess The never then Seonsidar, as the only chain of communication by which action and reaction can be conveyed from one part of The system to another Moreover Ibelieve This association to be more immediate and direct in propor - tim as there are more or less of ganglia in -terrening. This position being admitted, it

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will readily be seen by every one conversant with anatomy that the aprivation of the bisin and temperation of the bisin and the manufalls their conversant of the sentence of the expetty prince, called the last agency which arise at the last afthe brain from the midules of largette and brains from the midules of largette and corporar of the strately and other means of the thorace and allowers and other means of the strately are mittened any ganglianters and potential and private any ganglianters are glotters.

Hence me find that whenever the latter vinus becomes in any offects, that the action can be and is almost always communicated to the brains of their direct comes once which I have them to sustemine with by. This sommerword convection is written we from the stomach to the decodenism

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and this also, without any ganglia interven ing. The duodenum may justly be consid - eved as a second stomach; not only because it is intimately connected to the former in function and by sympathy, but because it popeses an extensive apociation with The rest of the system, and more particular - by with the brain, through the intervention of the stomach, whereby many of its desorders are transmitted to the brain There now pointed out the close relation between the brain and stomach anotomical - by, or in other words the means by which Their action and realtion can be unterchan -ged, and will now endeavour to passe this communication or sympathy Decondly By the operation of certain mor bifice matter taken into the stomach, and thereby producing disorder in the functions of the brain. Whenever any crude indigestible

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matter is taken into the stomach, or whenever its contents shall have become in any manner vitiated, we know that it's healthy action is impaired orattered, by the ricknessmauseaund vorniting which are produced, and also other symptoms no less inducative of decangements in the natural functions of this most impor - Nant visius; and ar africally as there are pro dued, so certainly are they transmitted to the brain, thereby producing that dis tregging disease donominated the sich head - ache; one of the greater or curses entailed upon those accustomed to a studious and redentary life. We know ther headacke to be sympa - thetie of a disordered stowart, because me find by throwing out , or removing the reliated virulating matter, that not and The disorder of the stomach is removed, but also that of the brain. This fact cannot be explained in any other rational manner

Than I unders The mo sofrege -ed stor ing the proof of the Is are fan to the le truth disorde produ functi The con -ously?

Than by sympathy so frequent and so well understand is this disorder of the brain, that The most common and elliterate man, can prescribe the proper remedy. after having so frequently and I might say, universally of - served this concourtant of fection of a disorder -ed stomach, mould Inochejus tified in declar ing that this of itself (could there be no other proof address in its supports would be sufficient to establish the great sympathy of the brain with the stomach, unequivocal - by and meantiovertibly. I an there beary medical mass, who has the least shadow of doubt respecting the truth of these remarks, who observes this disordered state of the stomach always to be productive of a remillar desorder in the functions of the brain; and this too notion The course of days, but almost instantane - ously for it can be discovered, so soon as

The pris innotate The Lead, the wi both as health agaings sympa in the c observes in The head, no The fir and in ? there a Thatn meanly Butnot by ener

The primary affection is observed. narriover, it must be remarked, that this headashe is not to be removed by any applications to the head, but in no other way than by removing the writating cause from the stomack, when both appetions are at once removed and health immediately restored. again, ne observe this strong and powerful sympathy of the brain with the stomach, in the common belious fever, which as & observed before hasits primary operation in The stomache Pain and mining in the head, with perverted vision &c, are always the first and severt indication of this disease and indeed so common and so universal are there attendant affections of the brain, that nithout then, the disease is not pap -ularly asknowleged to be the believes fever But why should I thus bewasting of time, by enconcrating more cases to prove this

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close relation, when we find not only in The cases here enumerated, but in almost every appearion of the stornach that the some is transmitted to the brain. This sympathy can be shown, and more conspectioning Thirdly. By the operation of certain corrosiver or nar - cotic substances taken into the stomach. Mis I believe generally admitted, that when an over dose of any of these articles exchilited, that the stomack becomes offended and consequently excetation or inflamation is excited, and great vascular action in almost all parts of the system; but this unhealthy action is more particulately referred to the brain he know this to be as fact, by the affects there produced of tentimes we see the patient fall convulsed with a wild distorted countenance and expanded eyes, writting in all the agonies indicative of great derangements in the nat -weal functions of this organ, which if not speedily releaved will ultimately end indeath.

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There again of a more powerful nature, produce this result at the more studingly for seasely, we they achieved than death is the result. There faits are too plain and powerful to brunder mined by all the combined machinations of sophisting and incredulity.

But Jushaps there are some who differ with me on their sulgesty and may ask, if the le no other way for their action to be communicated to the brain, then by sympathy believing aske that there affection connected be communicated in any other manner, at least so directly and immediately Smould answer in the negative, again, theremay, be others who may be ask, oney not death, be produced nothers this actualism, the sense and fourtain or way termy from the sense and fourtain or way termy from the sense and fourtain of way termy from the form attended and promp other what he was the manner of the sense of

Inoul This st Homack By The. but no Rothing prover ? headack Themos whilit mely decided a First Z weathres is The re or too lan

Smould reeply so long as this continues to act and react death, cannot be the result. This strong sympathy of the brain with the stomach, may be shown fourthly and lastly By the operation, of medicines. Thave several times anticipated This part of the subject but not unintentionly. nothing more conspicuously and incontestilly prover this apociation, than the operation of emetier. In that disease denominated the such headacke, which as I before observed is sympto matic of a disordered stomach, ne often device The most beneficial advantage from the exhebition of an emetic. I said often, because wely no means invariably observe their dended artility. This disease is of two kinds, First, that which is the result of permanent weakness of the stomach, and Secondly. That which is the result of some crude indigestille matter, or too large quantities of the towhich is high tille

Taken whit of Ther the re -lated, Inou more its for zieco prices a car

taken into the stomach. In the first of there me derive lettle or no advantage, from the exhibition of emetics, unless at the same time we resort to other means. Itis in The second of there cases, that emeties display their superior advantage by removing the writating matter and thereby sympathetically the distregs of the brain again, in the bilious fever of this coun - try the primary operation of which ardremask - ad before is in the stomach, ne observe this sympathetic appeation of the brain, and for the relaif of which nothing is so well calse - lated, as the proper exhibition of an emetic. I mould venture to apart that there is not more than one case in tors, of this disease, which reems to expend the quater part of its force upon the brain, that mould not yield to the early exhibition of an ametic preceded by blood letting or followed by a cathartic. ban there be any medical men

who ha The cor -istrate assist confess, of the -tion of of the h buts upon in The factor - by coin of the br derange which is I Think. emeties

who has notneped such decided benefit in The complaints of the head from the admin istration of an emotic, who is so resptical as arat to believe, or so obstinate as not to confess, that this relation does exist. Of the great advantage derived from the opera - tion of emeties and purgatives in the deseases of the head, every person is I believe fully aware, but the fact, how the operation of these upon the stomach produce simular effects in The brain is not sogenerally admitted. The facts which I have before address all perfect - by corneide to prove, that it can be accounted for in no other manner than thatry afrois - ation. Beleiving that a great many disorders of the brain are morely symptomatic of some derangement in The functions of the stomasty which indeed harbean proved to be the case; I think I would be justified in aperting, that emeties and cathacties, are too much neglisted

-upal an combatte practical -derry The merely to sympathy subject, -factority exist a sit stomach. part of 7 -saver of the

in These complaints, That They are the prin upal and after the only means, of successfully combatting these distregsing affections. It is not my intention here to point out the practicable application of emetics in disor derroy The head, but have introduced them merely to shew, the strong and entimate sympathy, for which I have been continding. Phave now brought to a close all the remarks which I had to offer upon this part of the subject, hoping That I have been able satis - factorily to prove, by adducing a number of weel attested facts, That There always exert a strong and direct sympathetic communication between the brain and stomach.

Smill none proceed to the third and last part of this dissertation where I will endeavour to show that there are some disease of the brain comment, considerations

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Idepathie, which oning to this communecation overnerely symptomatic of aderordered stomach. Furey apoplexy. The sympathy of the brain with The stomach is more clearly demonstrated in early life, than at any other period. We find diseases dependant upon this sympathy to be of more frequent occurrence and more fatal amongst children under tricke years of age, than at any other Whether this be oning to the stomash gleing more weak and writably or more rusceptible of impregrious at this age: on that the causes productive of these diseases are of more frequent occurrence in infancy; I cannot precisely decide. But Saparehend They are both of ten combined; and in that way produce the desease now under consideration. apoplery is one of those fatal complaintes The result generally of gastric writations many persons entertain this pathological

opinion Sishould causes, s. itissy Thesyn - dieativ. fits of go drowsing This la of the st apreau y gastri variety as produ pregion - externas ---

opinion of This desease, but it is by no means universally the case, others considering it as adirease purely idespathies Speaking from my own personal knowledge of this complaints I should have but little to say, but from the causes, symptoms and modes of treatment, once merated by writers, I scrupe not to say, that it is sympathetic of a disordered stomach. The symptoms which precede this derease in - dieative of a disordered stomach arey frequent fits of giddines, frequent headacker frequent drowsings, and frequent fits of unculius. This latter symptom is always on appention of the stomach, and thereby denoting whenever a precursor of opapleray, That it is the result of gastrie writation. There have been a great variety of causes enumerated by various auten as productive of this disease, such as the com - pression of the medulary part of the brain, - external violence, tumors and accumula

upon ? heren imply prequen -arally. Doctors enuses of the 1 stoner it is, an Stirns - mid to a and act endeare healthy. Topon of blood in the rapels of the brains their well down that there or any other course arting upon the brain when carried to a supplies to strong it matural to compress its matural produce spopeous the same of the following the strong man to be understood as there much by any means to be understood as appeared to produce the course or use of produced produced produced in the same of the same of

Double bullow after having enumerated the courses from comprepain, asky to the motion of the blood in the inspect of the head undered strong and assistiff I manner it is, and mould supplain it in this manner it is, and mould supplain it in this manner to in mellowers. That there causes when ear mad to an except price that there is many and attitude of the temach, and as I have and considered by forthe proven when such as a healthy state of the itemach, depends the health

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and activity of the whole system; so it is thought in in the way manner meadously so in the orange, of the blood in paper properties attly diministrate, consequently the motion of the blood is restered almost in the blood is protected at the blood is not as a summer attempt of the blood in an arms and allower in the blood is first the area thought of papers on in the blood in a there is an arms and the blood in a sum the blood in the blood is not to be considered as primary from ampreprior, in not to be considered as primary fut as secondary only of a deranged stomach.

From the causes as made as from the symptom which presends I the complaint in arrangement which has falled sunder my observation, and from what's can learn of its pathology, elembers, I think I may affely afreely which there are but from cares of they leavy, which cannot be traced in fact at leavely to some him of morbid impression on the stomach, a full mead, impression of the stomach, a full mead, impression of a belowich drink ing, or some cause of a simular discription.

Deconde butin some de invitat -ments intestor nigin a before Buton - eulia deferen in one should petrie The fac tertile - Inera; not far -ly great Secondly, of Gilging. This disease very generally but I mouldnot my invariably, proceeds from some disease of the stoward or with their Hearly invitations the train sympathetical Decary ments of the function of the stoward and metalines in my west to the function of the stoward and before of served many and produce as Phave before of served many and produce as Phave before of served many and produce as Phave when are not yet until to the say what for which made in mode of invitation gives rise to the defend many a make and make a many the same of personness, or may in one case, the same of present executing case the sleep of personness, and in an atter a policie of feeting as parameter, and in an atter a policie of feeting.

The fait however their for at least jis incern testille, that in some cases unright fruit; or mounts, maintenant probably shall met for an open sometimes spelpary. I shall not surther attempt to explain their apparent by great in consistency probably for turnately is

by ol. -till -other, cause of un altega -penas attaco stoms attir of the -ties moois ace, i are of certai lyna Sm 74 carese

of no great practical importance; Than by observing that the system is more surrey - tible of impressions at one time, than atom ther, and that oneing to this susceptibility causes which at one time produce one kind of impression, will at another produce effects altogether differents byon This I suspect de - pends the great diversity of diseases which attack the head sympathetic of a disordered stomach. Many are the causes which have at times been sammed up as productive of this disease; and Doctor bullen in his prac ties of medicine superalounds with Them; not the least alsurd and preposterous of all, in That from chemical stimulants; which are fluids, from various causes lodged in certain parts of the brain, and becoming avid by stagnation or otherwise. In This case he has certainly confounded course and effects That there may be fluids

effur merely nofle funct matte That a other stomas There. -parate Epilas childre To There - By tro - ar fe - son ry mark Levita - wede & of function, but their is not the laws but the resulting for their is not the laws but moved, the resulting ceretral invitation; for me of laid moved be offered in the natural functions of the branch measurement imparied or altered. I am not more prefered to say, there exists y does or does not arise from other causes, them from the invitation of the stones are all almost any canal, but should there is not also also there is not a common and a private companion companion to the problem of the control of the stones of the problem of the private of the priv

Outdaying is of progression occurrence among obsidering and Smight ray exclusioning, confined to them, and can in Thomps advanged dust that the formal the advance of the second of the confiction, to imprope a feeding, on to the action of contillion, to imprope as major the stowners of the second and a plant, marked in the second of the

The inpo Best activ of the 10000 That This . whei consi -dies. This -

The beneficial results of it when pursued, in positively agreeting that every easinhish has come under my observation, proceeded from some offection of the stomack or alimen tang canal, and need the most recount and best marked case which I ever saw, complete - by greated to the operation of a brish and active catharties which descharged a wast quantity of morms. In this case the direase nos certainly dependant upon the irritation of the norms in the alimentary canal, other mire it would not have ceased its ranages se soon as they were asopelled whence I conclude that emities and purgatives not my in This but in all the diseases of the head which can betraced to gastire virtation constitute the best if not to the only reme -dies.

Thirdly of Brydrocephaler Intermeer. This is a descease, the pathology of which is botter

unders Too is a. terrib conseque To bear which - fore th uncom intirel rometin with a This is of this a are pla disorder - alung de primar -tomatica be farth

understood, because it is of more frequent occur - nonce, and its seat more plainly marked. This too is a derease of gastrie extension, and one more terrible in its aspect, and more fotal in its consequence is not to be found. This we know To be agastric disease from the symptoms which precede it; the patient sometime be fore the attack, appears larguid, perish and uncomfortable, the appetite is impaired or entirely lost, and sometimes sich fils with vormeting of bile; all of which are attended with a asstirence almost insurmountable, This is the outline of the primary symptoms of this most insidious complaint, all ognhick are plainly recognised as the result of gastie disorder, which being the presursors of they Insupe alun donote it to originate from courses acting primarily on the stomack, and thence symp tomatically on the brain moreover, This can be farther shown to be the case from the

mel oral cana exoli I do ~ -ordere The de orfac are en - sare Fourts terner, courses which produce this complainty which we know to exect their extens on the stoward or alimentary easied, and limited the desires can admost almost be breaked. There are the paint of freely and proper feeling eating an injury freely mounts to the above course are greatly and only freely mounts to the hope course are properly freely and the proceeding one almost sent the discourse like the proceeding one almost excellently confined to them.

I do not here nish to say that by down phalus intimur is always of multimatic of a dis notioner of a dis notioner of the down some care in military the disease could be distinctly through to their or falley which the patients received a form days before, there were any goverally speaking one consedingly nave, remark so that the disease freshingly diseases the appellation of

youthly. Of syneaps. This widently at times, is the result of partie intations

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polich is proved by the nauser and sickness, which almost always preceds the purcouson. I believe there are no exceptions to this cule, writing it be soul cases as proceed from pelopsy anciery or some other organics of faction of the heart or large bloodrepsels.

The pathology of synappe is as get unvolved in temper to she what it is any other manner than by observing, as I have before remarked that super the time and many of the shorter that super the time and energy of the shorter system. Where fore, or however the time of the stand the mark is demanded in legtered the energy of the brain is demanded in legtered the energy of the brain the heart and the observently the sacion of the heart and the observently the sacion of the heart and the observently the sacion of the heart and the observently the sacion from the brain. The is a attempt, and refer to some distinct prival, when further light shall have been them upon the different brings of unperfin

of which Smigh although timit, of which i - ficial - moving -moves papere Postale. -marks. lingthen tomatic . - gall her ofmelar mania Treated,

of which the stomach is surreptile, and when The land of sympathy shall have been more completely unfolded. Imight here mention two other complaints although somewhat foreign to the subject tenit, Ophthalmia and Odontalgia. These very after are originally scaled in the stomarly which is known to be the case from the line - ficial operation of an emotion which by ne - moving the writating matter, completely re - moves the disease. These honer or do not here, paperly fall undermy consideration, and I shall desmift them with the foregoing re - marks. Smight here, did it not lead into such lengthere & details menting rarious other symp tomatic affections of the brain, and particular - by all kinds of insanity, from the mildest forms of melancholia to the most untereste cases of mania. But those of which I have before treated, I consider of the most importance

buan destru There attacks Than the is after stornac and The of the 1 -astre Z There, and com one half Ix nice,

because of more frequent occurrence and more destructive to the human family. I will now conclude by expressing a firm belief, that there is not one single disease which over attacks the brain, which does not oftener than otherwise have at original reat in the Homach or alementary canal. after having now seen the unpartance of the stomach in the operations of the animal ever -ony ats position and esoten sive og nygathies, and that it is, as I have an rear owned to Show in agreat measure the reat of all the direar of the brain; would it be too bold or enthusing - astro to declare, that it is not only the seat of there, but that it is also the reat of the fri - many links, of the ultimately lengthered and complex chain, of one half or more than one half of all the diseases, to which the an - mal frame is subject. 3x mill readily be seen that there remarks

might alreas The fa brain There andas haras

might his carried to an almost unlimited interest me and the are almost welling the

extent were it receptary, that and olyging the belay that the arguments when I than already, advanced are sufficient to statish the fact of the immediate sympathy of the brain with the stomach, I devict.

The remarks which I have made in the fore gaing pages, I believe to be true in thong, and as for a my very limited experience has extended and equally re in practices







